

Researcher earns appointment from SPIE

by Pete Meltzer Jr., Materials and Manufacturing Directorate

WRIGHT-PATTERSON AFB, Ohio — James G. Grote, a senior engineer and scientist at the Air Force Research Laboratory's Materials and Manufacturing Directorate (ML), has received a "Fellow" appointment from the International Society for Optical Engineering (SPIE).

Grote, from ML's Survivability and Sensor Materials Division was recognized for research supporting current and future Air Force systems, as well as advancing fundamental understanding and performance of electronics, contributions in education, and outstanding service to the community.

Since joining the laboratory in 1978, Grote has sponsored, co-sponsored, directed, and managed more than \$35 million in in-house and outside research. He served as lead author of more than 30 publications and presentations, authored a book chapter, and has been awarded two patents. His research has led to collaborations and joint publications with professors at the University of Southern California and the University of California Los Angeles.

Grote holds a doctorate degree in electrical engineering from the University of Dayton and has earned 10 Department of the Air Force Performance Awards. He is an adjunct professor for the Department of Electrical and Computer Engineering at the University of Dayton, and has served as an advisor for graduate students there, and at the University of Cincinnati.

Grote helped students at a Dayton-area elementary school develop experiments that were chosen to be flown on the Space Shuttle and the International Space Station. He has been an active member of the "Wright Connection/Alliance for Education" program developed to help improve elementary and secondary school math and science curricula throughout the Dayton area. This includes inviting math and science teachers and students to his laboratory during the summer to work on research projects, and lecturing elementary, middle school, and high school science classes.

Previously, Grote was named the AFRL's Avionics Directorate's "Engineer and Scientist of the Year" for 1996. He was nominated for the prestigious "Technology Transfer of the Year Award" in 1998, and for the Materials and Manufacturing Directorate's "Robert T. Schwartz Engineering Achievement Award" for the year 2000.

SPIE is the largest professional engineering society of its kind. It serves the international technical and business communities, boasting more than 17,000 members worldwide in 75 countries. Only an extremely small percentage of the members receive Fellow appointments.

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